SIEMENS

SIREMOBIL Iso C 3D

SP

Update Instructions SP001/02/P

Title: Software Update Kit Iso-C 3D Version P4

Reason for update:	☐ Safety	☒ Performance
Urgency:	☐ Immediate	☒ Within 3 month
Update materials required?	☒ Yes	☐ No
Material free of charge?	☒ Yes	☐ No
Return of parts?	☐ Yes	☒ No
Estimated completion time:	6h	Number of CSE's:1
Customer Information?	☒ Yes	☐ No

Systems/Products affected/System identifying IVK

Name	Part No.	Serial No.
SIREMOBIL Iso-C 3D	28 29 450 G5464	n.a

Remark: n.a.

Components affected/to be modified/IVK

Name	Part No.	Serial No.	Component status	
			affected	not affected
Option 3D Image	56 46 950 G5486	n.a.	n.a	n.a

Remark: n.a.

Chg. Rev. No.: 109338 and 112557
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Document revision level

The document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

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Systems/Products Affected

Detailed description of the systems/products affected.

Serial number	Name from customer	Country
1064	Berufsgenossenschaftliche Klinik Murnau	Germany
1070	Siemens Belgium Huizingen	Belgium
1072	Showroom Erlangen	Germany
1087	Siemens USA Carry	USA
1104	Siemens St. Denis	
1113	Siemens Erlangen CS TC	Germany
1158	"Maquet" Anlage	Germany
1214	SPL-Messelager	Germany
1276	University Clinic Ulm	Germany
1369	Berufsgenossenschaftliche Klinik Hamburg	Germany
1376	Siemens Great Britain Bracknell	Great Britain
1389	William Beaumont Hospital	USA
1423	Clinic Munich	Germany
1430	Sr. Johannes Spital Salzburg	Austria
1443	Siemens Austria	Austria
1447	Ev.Hospital Mühlheim	Germany
1448	Ev.Hospital Mühlheim	Germany
1449	Berufsgenossenschaftliche Klinik Bochum	Germany
1450	Surgical Clinic Erlangen	Germany
1452	Marienkrankenhaus Hamburg	Germany
1458	Berufsgenossenschaftliche Klinik Ludwigshafen	Germany
1461	Medical University Hannover	Germany
1472	Siemens Hong Kong	China
1475	Orthop. Clinic Schwandorf	Germany
1480	Clinic Wiesbaden	Germany
1484	Alfred Krupp Hospital Essen	Germany
1485	Mathias Spital Rheine	Germany
1486	Kath. Clinic Duisburg	Germany
1490	Herzogin Elisabeth-Heim Braunschweig	Germany

Tab. 1

Serial number	Name from customer	Country
1492	Clinic Fürth	Germany
1499	Siemens Wien	Austria
1500	Accident Hospital Berlin	Germany
1501	ST Francis Blue Island	USA
1502	Southwest San Antonio	USA
1503	Kreiskliniken Traunstein-Trosberg	Germany
1505	Hospitalzweckverband Augsburg	Germany
1508	Ev. Waldkrankenhaus Berlin	Germany
1511	Theesfeld	Texas
1517	Cantonal Veterinary Hospital Zurich	Switzerland
1518	Mr. Turconi Med CH	Switzerland
1521	New Breed Grapevine	Texas
1529	Military Medical Academy Petersburg	Russia
1531	Hegele demonstration system Germany	Germany
1535	Military Medical Academy Petersburg	Russia
1536	University of Texas Medical Branch	Texas
1541	A.OE. Hospital Wels	Austria
1542	University Clinic Homburg	Germany
1548	Free University Berlin	Germany
1549	Pusan National University	South Korea
1555	Valley Hospital Ridgewood	USA
1558	Medtronic Louisville	USA
1560	American Academy South Griffin	USA
1562	American Academy South Griffin	USA
1563	American Academy South Griffin	USA
1564	American Academy South Griffin	USA
1565	American Academy South Griffin	USA
1566	Uni of Texas Galveston	Texas
1575	Siemens S.p.A. Milano	Italy
1576	Siemens Eltersdorf	Germany
1582	Charite Virchow-Klinkum Berlin	Germany

Tab. 1

Serial number	Name from customer	Country
1584	n.a.	n.a.
1588	n.a.	n.a.
1591	n.a.	n.a.
1598	n.a.	n.a.

Tab. 1

Reason for the Update

Possibility of setting the French and Spanish languages.

Improvement in performance.

Prerequisites

n.a.

Service PC	Operating system Windows 95 / 98
Service cable for PC	99 00 440
Precision X-ray filter, 2.1 mm Cu	99 00 598
PTW Nomex	97 08 637
25 mm Al type 26765 acc. to DIN 6868, Part 50	
or 1.2 mm Cu from the filter set	97 98 596
1 set of X-ray filters,10 x 0.3 mm	44 06 120
17 mm Cu filter	11 67 662
Resolution test	28 71 820
Dynamic range test	37 90 156
or Dynamic range test kit	97 50 001
containing	
TV dynamic range test phantom	37 90 164
Heart contour filter	37 90 172
Capillary test	37 90 180
Holder	87 13 901
Lead phantom	87 09 743
Protective conductor meter	44 15 899
or Bender Safety Tester	97 06 979
SIREMOBIL ISO-C Service Instructions	SPR2-230.061.01.03..
Speed Info Password list SIREMOBIL Iso-C	R141-97
2 empty floppy disks	
Image Quality Quick Test (refer to the SIREMOBIL log book)	SPR2-230.037.01.05
Calibration service case	71 39 947

Ordering Information

Place an order as follows for each system to be updated:

Software update kit **Iso-C 3D Version P3** **75 38 924**

Contents of the Update Kit

The software update kit **Iso-C 3D Version P3** contains the following parts:

Item	Quan.	Part No.	Name
1	1	n.a.	75 ohms terminating resistor
2	1	03 32 798	Screw M4x8
10	1	31 00 828	SW Memoskop C-3D VC01D
20	1	31 00 802	SW Memoskop C-SUB-3D VC01D
30	1	71 39 814	3D Software VA00D
50	1	71 39 913	Control-SW VA00C
60	1	SPR2-230.896.02.01.02	Update instructions
70	1	SPR2-230.623.03.01	Addendum to the operating instructions
80	2	75 38 874	Catch
90	1	n.a	Jumper

Tab. 2

Based on the above description, the CSE should be able to check the update kit for completeness prior to beginning the update.

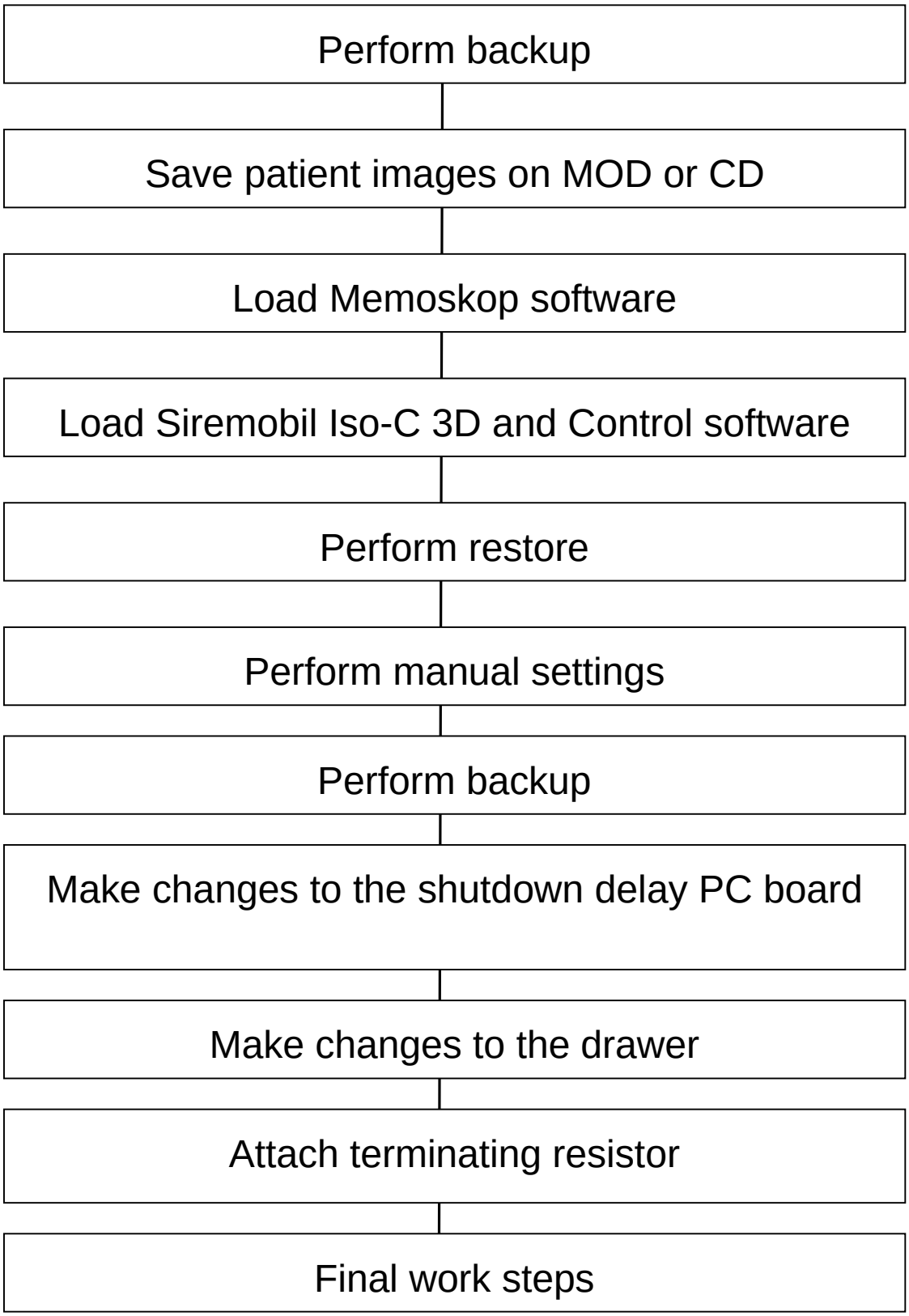
Returns

n.a.

Spare Parts Handling

n.a.

Workflow

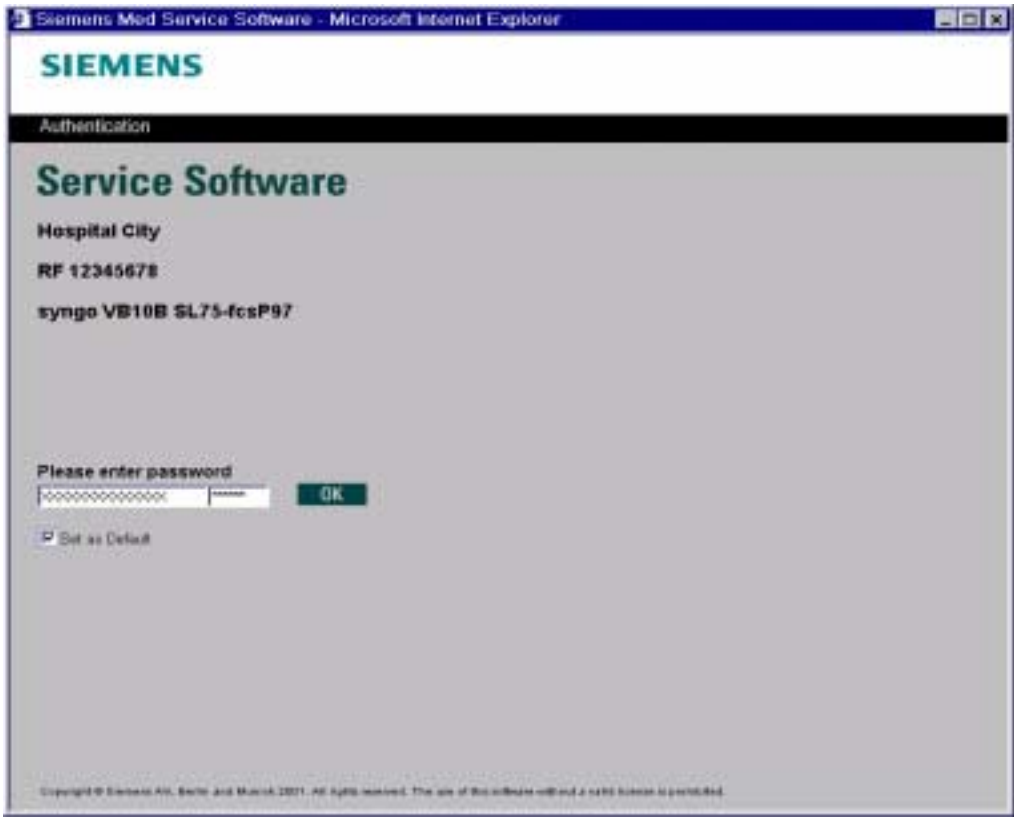

Perform backup
Save patient images on MOD or CD
Load Memoskop software
Load Siremobil Iso-C 3D and Control software
Perform restore
Perform manual settings
Perform backup
Make changes to the shutdown delay PC board
Make changes to the drawer
Attach terminating resistor
Final work steps

Backup

General Remarks

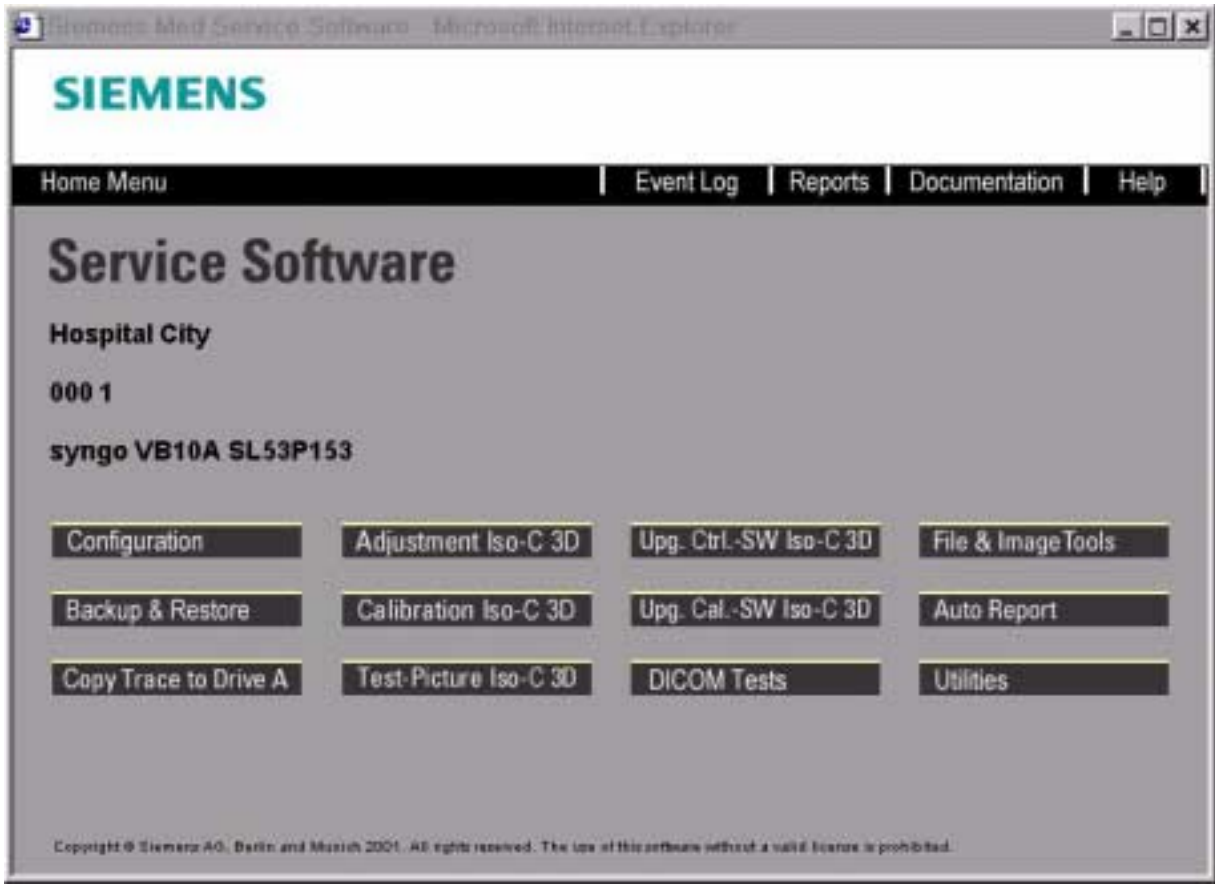
➪ A backup from is always necessary after software updates or system adjustment steps.

- From the Syngo User Interface, please select “**Options>>Local Service**” in the window menu header.



- Enter the service key (6 characters in 2nd mask).
- Confirm with <OK>.

- The Service Home menu appears.



- Select **“Backup & Restore”.**
- Insert the BACKUP disk into drive a:\.

➪ The following window appears:

- In the “Command” selection menu, select “Backup”.
- For “Drives”, select the particular storage medium. As a standard, save to a Floppy disk (-A-).

  ➪ The corresponding package is selected in “Packages” .
- Select the Package "SW Settings02" and save with "GO".
- Exit the window with “Home”.
- Remove the backup diskette from drive a.

NOTE

A backup of the database (patient images) does not function! Only the following is possible:

Saving the patient images to a MOD or CD-R.

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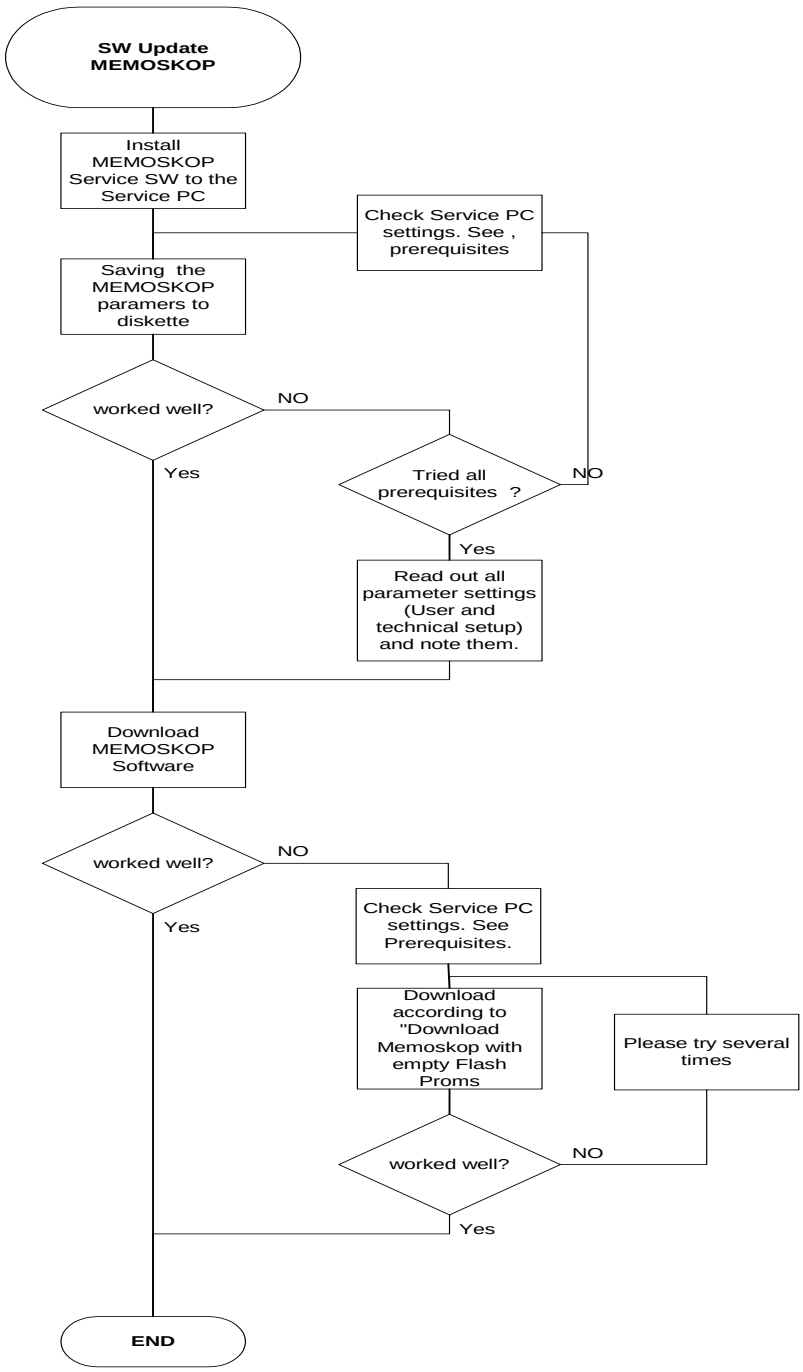
Software

for MEMOSKOP C-Sub 31 00 802 G5437
for MEMOSKOP C 31 00 828 G5437

Flow Chart MEMOSKOP software update

The flow chart SW update MEMOSKOP shows only the main working steps. In the case of problems during the MEMOSKOP software update, please follow the path of the flow chart.



Procedures

Prerequisites

NOTE	**Please pay attention to the service PC settings.**

- Do not use the incompatible service PC "SCENIC MOBILE 350".

Before starting with the works of the software updates, please observe the below mentioned points:

- The used serial interface cable must be fully wired between SIREMOBIL Iso-C and the service-pc.
- Switch off the screen saver and end any programs running in the background.
- Check the jumpers D1.X95 / D1.X96 / D1.X 99. These should be set to position 2-3.
- Check the serial port FIFO* settings of your service PC. The FIFO of the serial port must be enabled (default settings).
- In the case of correct host communication, but bad MEMOSKOP communication, temporarily switch D1.S3.2 to position ON. Ignore the error messages, displayed at the SIREMOBIL user console. Ignore the MEMOSKOP service software error message "No communication with the X-ray system" and close Error message by clicking on the button "Ignore". Select the correct type of MEMOSKOP and start the necessary service works. After the completion of the MEMOSKOP service works, switch back D1.S3.2 to position OFF.

***FIFO settings**

steps for Windows in German

- select on the windows footer
- select "start"
- select "Einstellungen"
- select "Systemsteuerung"
- select "System"
- select "Gerätemanager"
- select "Anschlüsse"
- select "COM-Anschluss"
- select "Anschlußeinstellungen"
- select "erweiterte .."
- "FIFO-Puffer verwenden" must marked with "V"

- steps for Windows in English
- select on the windows footer
- select "start"
- select "settings"
- select "control panel"
- select "ports"
- select "COM1"
- select "Advanced"
- "FIFO enabled" must marked with "V"

Preliminary work

- Remove the back cover from the monitor trolley (important for installing MEMOSKOP software).

Saving the MEMOSKOP parameters to diskette

NOTE	**Please pay attention to the prerequisites.**
NOTE	**Before starting download of the MEMOSKOP, save the parameters to diskette. In the case of transfer problems, saving them, read the prerequisites .** **Follow the flow chart in section "Flow Chart MEMOSKOP software update".** **If the parameter set can't be stored on the diskette, read out the MEMOSKOP parameters (User setup and Technical setup) and note them manually.**
NOTE	**If a transfer error or error messages with "ComPort", "Download", "Get from Memoskop", "Put to Memoskop" and when loading the language file still occur, please repeat this function several times. If the problem persists, then exit the service software.** **Switch SIREMOBIL off and then on again, wait for power-up and start the service software again. Perform the last work step again.**
NOTE	**Before the use of the host service software or MEMOSKOP service software, the write protection of the corresponding parameter diskettes have to be switched off**

- Insert the MEMOSKOP diskette "User Programs" in the service PC, drive A.
- Start the MEMOSKOP service software.
- Enter the password and press the Return key on the Service-PC.
- Select the required serial interface on the service PC.

- The program window "Memoskop Service Program" (Fig. 3) is then displayed.

Fig. 1

- After the main menu appears, click on the button "Get from Memoskop" and wait for the transfer of the parameters from the MEMOSKOP to the PC. After the transfer, the status line shows "....Receiving configuration done"
- Then save the parameters to the diskette (menu "File", submenu "Save").
- For the file name, enter the actual date. The file extension should be "mem".

Example:

The current date is: (DD_MM_YY) 28_01_02

Enter the file name+file extension: 28_01_02.mem

- Wait for the parameters to be saved on diskette.

NOTE	**If errors occur during the transfer of the MEMOSKOP parameters to the service PC (e.g. communication errors), read the prerequisites .**

NOTE	**If the MEMOSKOP service program must be started again, the unit must also be switched off and on again.**

- If the storage of the MEMOSKOP parameter set to diskette is not possible, all parameters (User setup and technical setup) must be read and noted them manually.

Download MEMOSKOP software

NOTICE

If errors occur during download of the MEMOSKOP software (e.g. communication errors) read the prerequisites.

In this case, stop the download procedure and try download as described in section "Download MEMOSKOP with empty Flash Proms" if needed again.

- For the MEMOSKOP displayed insert the corresponding diskette supplied in drive A of the Service PC (MEMOSKOP software).
- Select the menu "Download".
- Select "Select file for Download:".
- The program window "Open File" opens.
- Select drive A.
- Select the file xVC0xxx.mot) and confirm selection with "OK".

(first x = 3 or 4, depending on existing MEMOSKOP. See below.)

3 MEMOSKOP C-E 100 /C / C-MOD Select 3VC01D0.mot

4 MEMOSKOP CSub/CSub-MOD Select 4VC01D0.mot

NOTE

If the service program is not able to recognize the MEMOSKOP installed automatically, select the type of MEMOSKOP manual. For MEMOSKOP C-E 100, select the model "3" (MEMOSKOP C/ C-MOD).

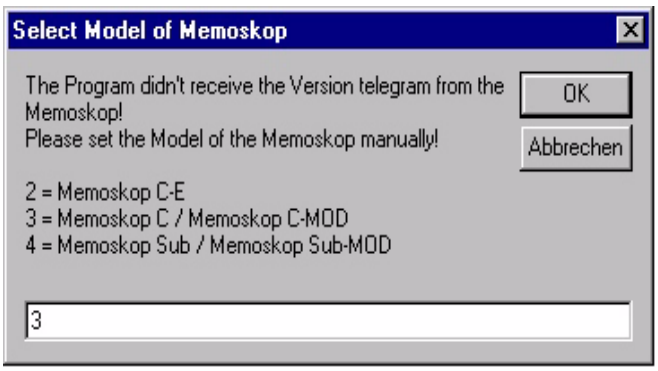

Select Model of Memoskop
The Program didn't receive the Version telegram from the Memoskop!
Please set the Model of the Memoskop manually!
OK
Abbrechen
2 = Memoskop C-E
3 = Memoskop C / Memoskop C-MOD
4 = Memoskop Sub / Memoskop Sub-MOD
3

Fig. 2

- Select "Erase FLASHes" .
- Press the reset button for 4 seconds on the back of the MEMOSKOP, as soon as possible.
  - ➪ While the Flash Proms are being erased, dots will be displayed in the status line.
  - ➪ After erasing, the "...Ready" message will be displayed in the status line.
  - ➪ The DOWNLOAD button is now selectable.

NOTE	**The "Download File" button must be pressed (clicked) within 1.5 minutes maximum!**

- Select "Download File" .

NOTE	**It will take approximately 20 minutes to load the new MEMOSKOP software.**

- After successful completion of the Download, the "Download complete" message will be displayed in the status line.

NOTE	**If the Download is not performed completely (communication errors or undefined symbols in the status line), stop the download procedure and follow the description in section "Download MEMOSKOP with empty Flash Proms".**

- Exit the Service program.
- Switch the unit off

Download MEMOSKOP with empty Flash Proms

NOTE	**This section describes the downloading procedure for the MEMOSKOP with empty Flash Proms. If downloading as described in the previous section could be carried out successfully, this section must be skipped.**

- Switch the unit off and exit the Memoskop service program.
- The cover of the basic unit and the rear cover of the monitor trolley are removed.
- Set the service switch D1.S3.2 in position ON.
- Switch on the unit. Ignore the error messages, displayed on the user console.
- Insert the corresponding diskette supplied in drive A of the Service PC (MEMOSKOP software).
- Start the MEMOSKOP service program and enter the password.
- Select the service PC serial interface.
- Ignore the message "No communication with the X-Ray system. Therefore click on the button "Ignore".
- For the error message "The Program didn't receive the version message from the Memoskop", manually select the MEMOSKOP model.

3 MEMOSKOP C-E 100 /C / C-MOD
4 MEMOSKOP CSub/CSub-MOD

- Select the "Download" menu.
- Select "Select file for Download:".
- The program window "Open File" opens.
- Select drive A.
- Select the file xVC0xxx.mot (Fig.and confirm selection with "OK".
  (first x =3 or 4, depending on existing MEMOSKOP. See below.)

3 MEMOSKOP C-E 100 /C / C-MOD Select 3VC01D0.mot
4 MEMOSKOP CSub/CSub-MOD Select 4VC01D0.mot

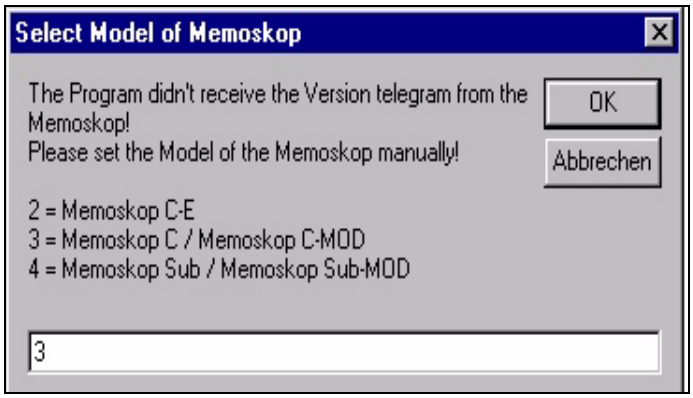

Select Model of Memoskop
The Program didn't receive the Version telegram from the Memoskop!
Please set the Model of the Memoskop manually!
OK
Abbrechen
2 = Memoskop C-E
3 = Memoskop C / Memoskop C-MOD
4 = Memoskop Sub / Memoskop Sub-MOD
3

Fig. 3

- Select "Erase FLASHes" .
- Press the reset button on the back of the MEMOSKOP for 4 seconds as soon as possible.
  - ➪ While the Flash Proms are being erased, dots are displayed in the status line.
  - ➪ After erasing, the "...Ready" message is displayed in the status line.
  - ➪ The DOWNLOAD button is now selectable.

NOTE	**The "Download File" button must be pressed (clicked) within 1.5 minutes maximum!**

- Select "Download File" .

NOTE	**It will take approximately 20 minutes to load the new MEMOSKOP software.**

- After successful completion of the download, the "Download complete" message is displayed in the status line.
- Wait until the MEMOSKOP has rebooted.
- Exit the Service program.
- Switch off the unit.
- Switch the service switch D1.S3.2 back to the OFF position.
- Switch the unit on (wait for entire power-up sequence) .

NOTE	**If the download is not performed completely (communication errors or undefined symbols in the status line), read the pre-requisites.** **Stop the download procedure, end the Memoskop service program, switch off the unit and repeat the download procedure as described in section "Download with empty Flash Proms".**

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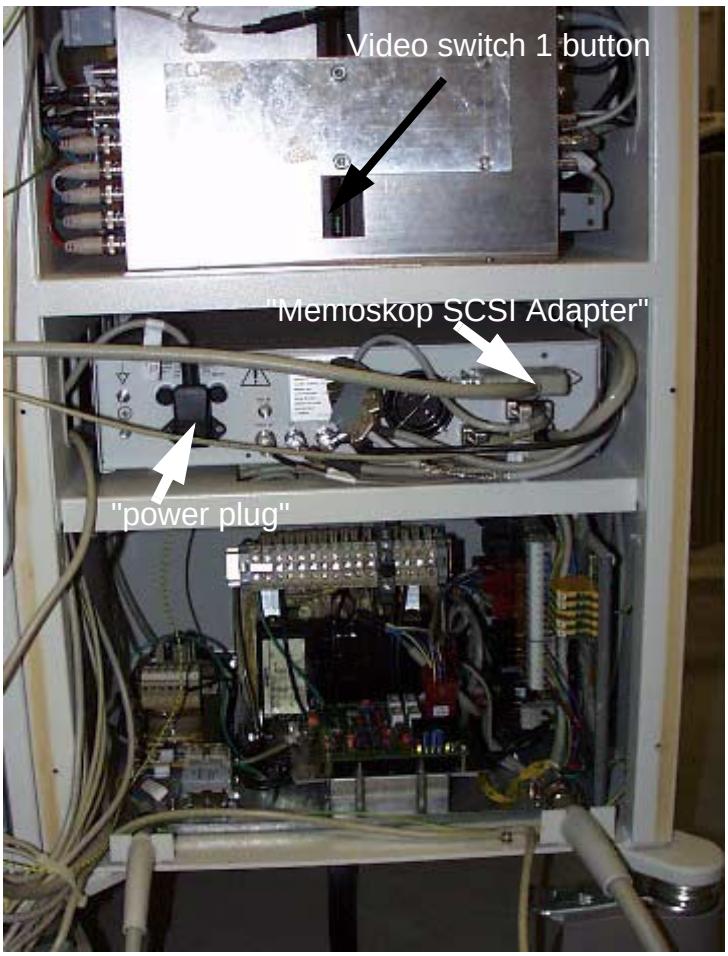
Installing the SIREMOBIL Iso-C 3D Software

Shut down the SIREMOBIL Iso-C.



- Disconnect the "Memoskop SCSI Adapter" plug from the PC.
- Disconnect the "power plug" from the MEMOSKOP.
- Release the video switch 1 button (to the left as viewed from the back of the monitor), the switch should not be pressed.

- Disconnect the "DICOM power plug" from the 3D PC.
- Connect the Dongle, if not already connected.

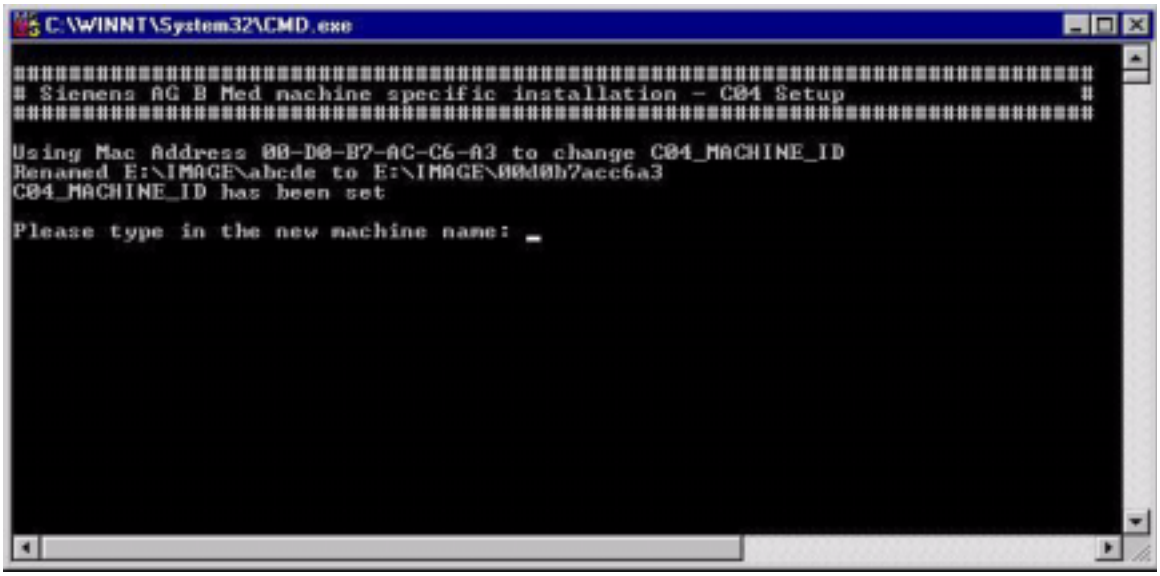
- Restart the SIREMOBIL Iso-C.
- Insert the CD with the name "3D-Software".
  - ➪ wait until restart completed
- Switch off the SIREMOBIL Iso-C and wait until the system has shut down completely.
- Restart the SIREMOBIL Iso-C.
  - ➪ The PC will start automatically. The start-up can be viewed on the right monitor.
  - ➪ After approx. 15 minutes, the following message will appear on the monitor.

= Installation complete …==========

	System and image partition were set up.	
	Please make sure there is no disk in the floppy drive	
	(Press any key to reboot the system now)	
	IMPORTANT : While the system is rebooting, eject	
	the CD-ROM and remove it from the drive !	

==========

- Press the space key and remove the CD.
  - ➪ The 3D PC will reboot.
  - ➪ Wait until the following screen appears.
    Ignore the message concerning monitor settings.


C:\WINNT\System32\CMD.exe
Siemens AG B Med nachine specific installation - C04 Setup
Using Mac Address 00-D0-B7-AC-C6-A3 to change C04_MACHINE_ID
Renamed E:\IMAGE\abcde to E:\IMAGE\00d0b7acc6a3
C04_MACHINE_ID has been set
Please type in the new machine name:

- Enter the 3D PC name.
- Press the "Enter" key 2x.

➪ The computer will shut down and restart automatically.

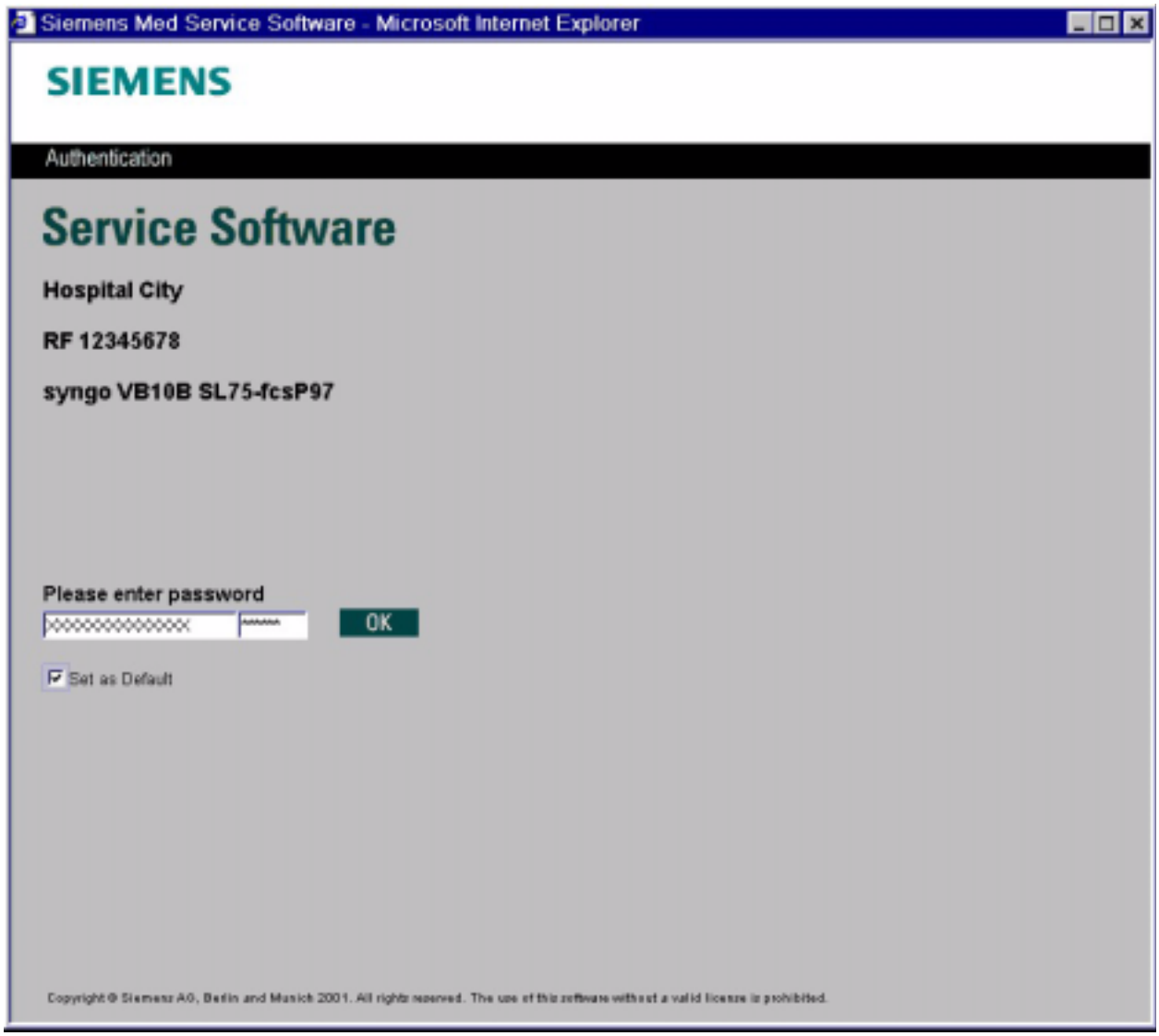
➪ Internet Explorer will start; the following screen will appear.

- Select "Click here to start the Local Service Configuration".

  ➪ The "Service Software" screen will appear.

Restore

➪ the following screen appears.


Siemens Med Service Software - Microsoft Internet Explorer
SIEMENS
Authentication
Service Software
Hospital City
RF 12345678
syngo VB10B SL75-fcsP97
Please enter password
OK
Set as Default
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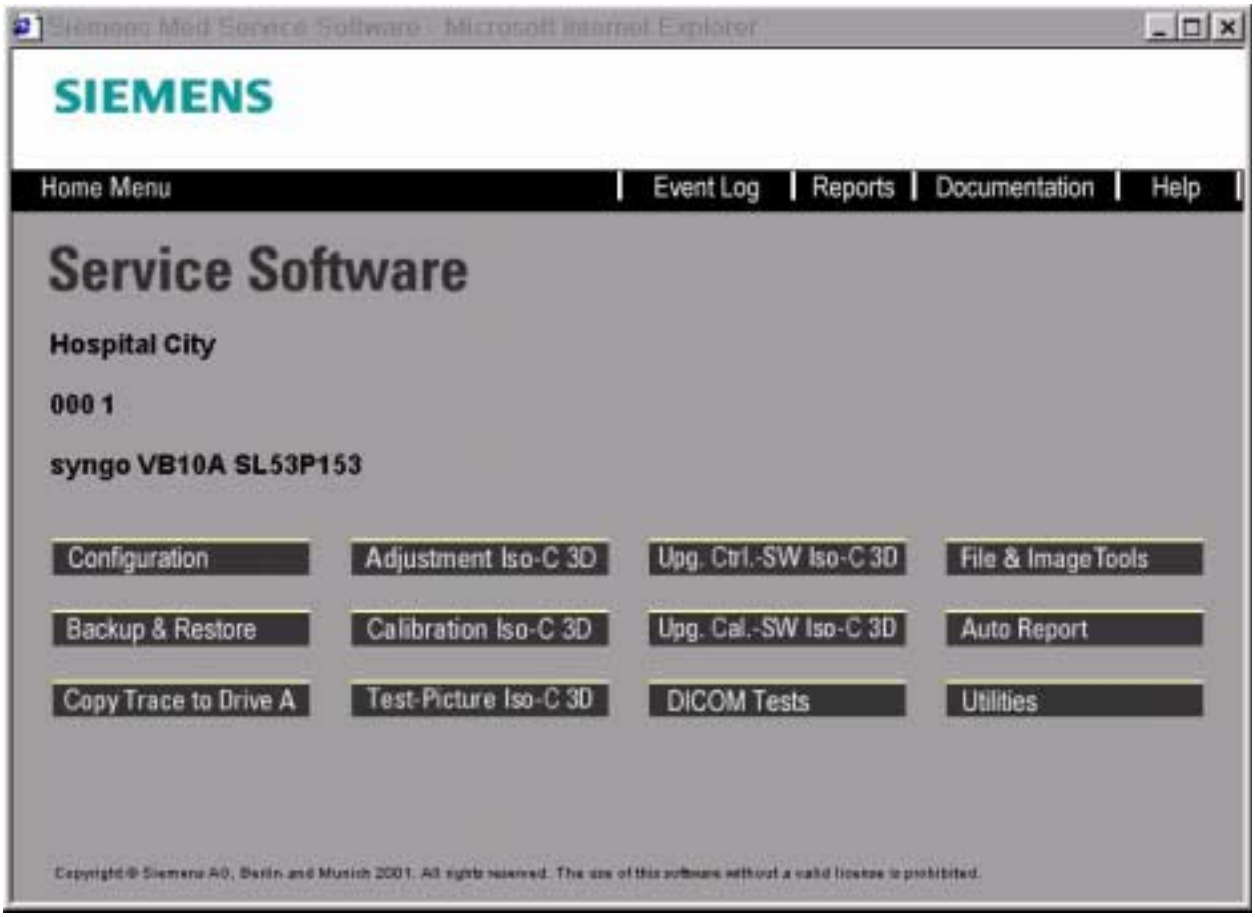
- Enter the service key (6 characters in 2nd mask).
- Select "set as default".
- Confirm with <OK>.

➪ The Service Home menu appears.



- Select **“Backup & Restore”.**
- Insert the BACKUP disk into drive a:\.

Restore SW Settings

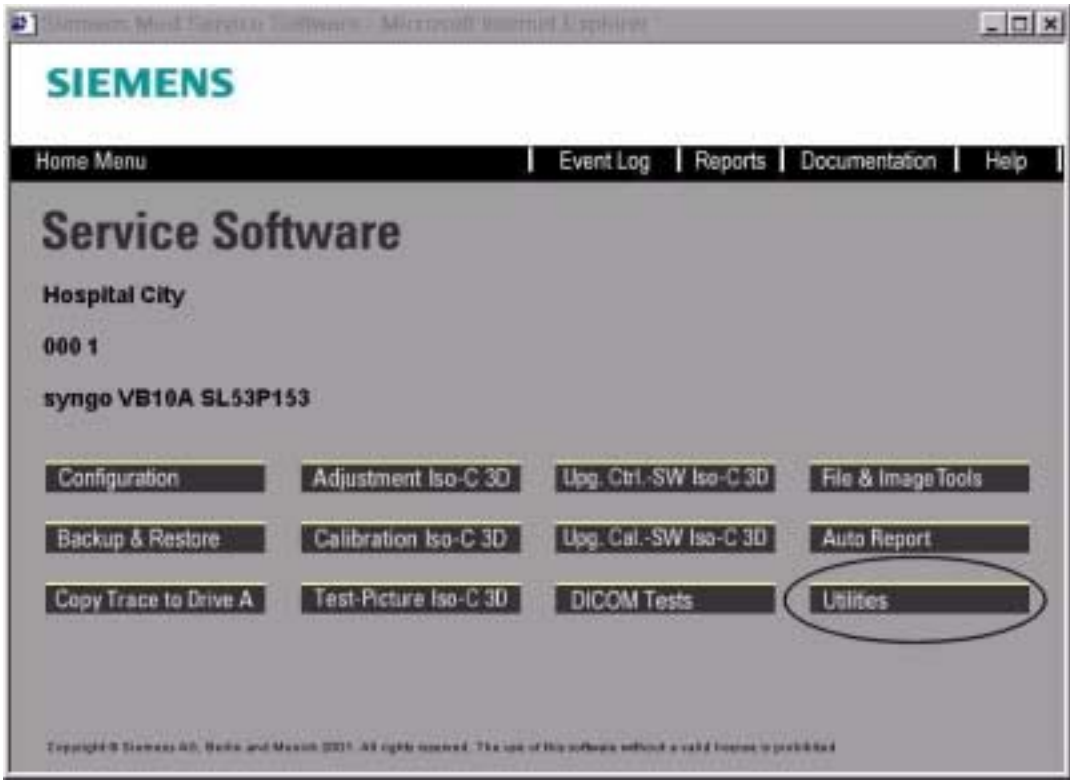
- Select "Restore" in the “Command” selection menu.
- In “Drives”, select "[-A-] Floppy Disk".
- In “Archives”, select the correct (latest) "SW Settings02" backup file.
- Mark all files in "Groups" i.e.(with Ctrl + left mouse button).
- The restore routine is started with “Go”.
  - ➪ Wait until the "Ready" message appears in the footer. This takes a few minutes.
- Exit the window with “Home”.
- The PC initiates a restart or you must make a manuell restart
- Remove the backup diskette when system has shut down from drive a.

Monitor

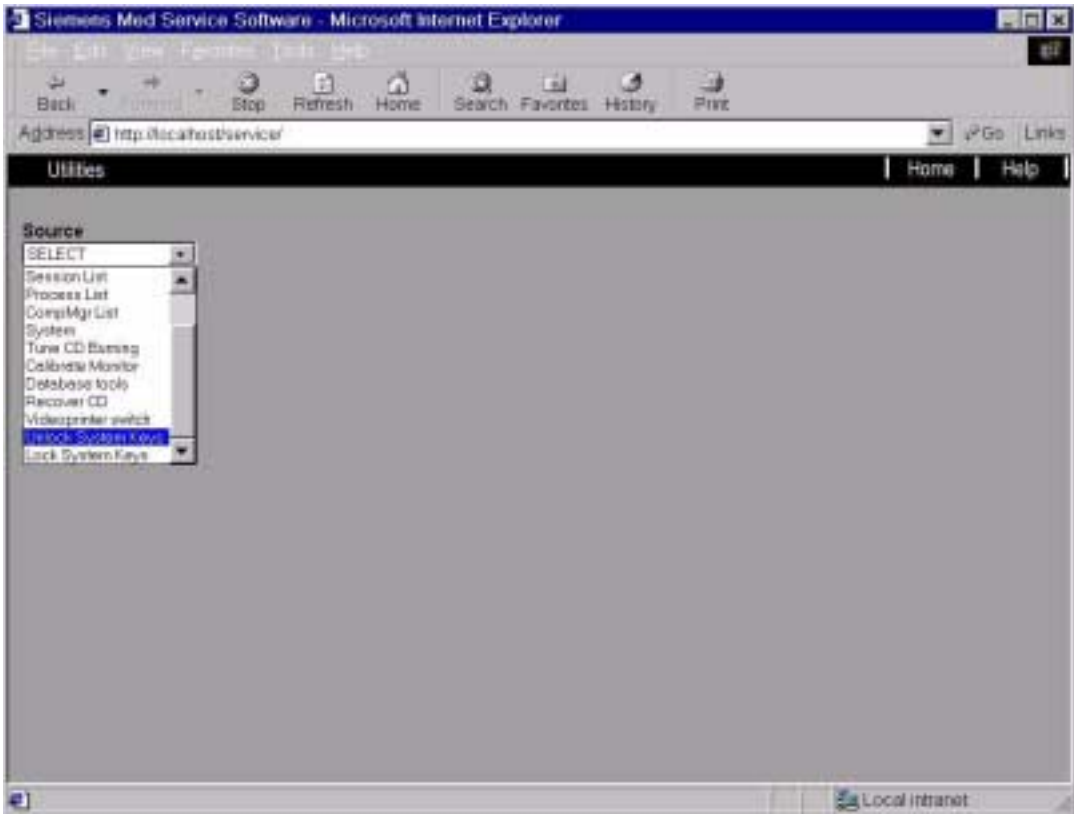
from the Syngo User Interface.

- select "Option"
- select "Local Service

  ➪ The Service Home menu appear.



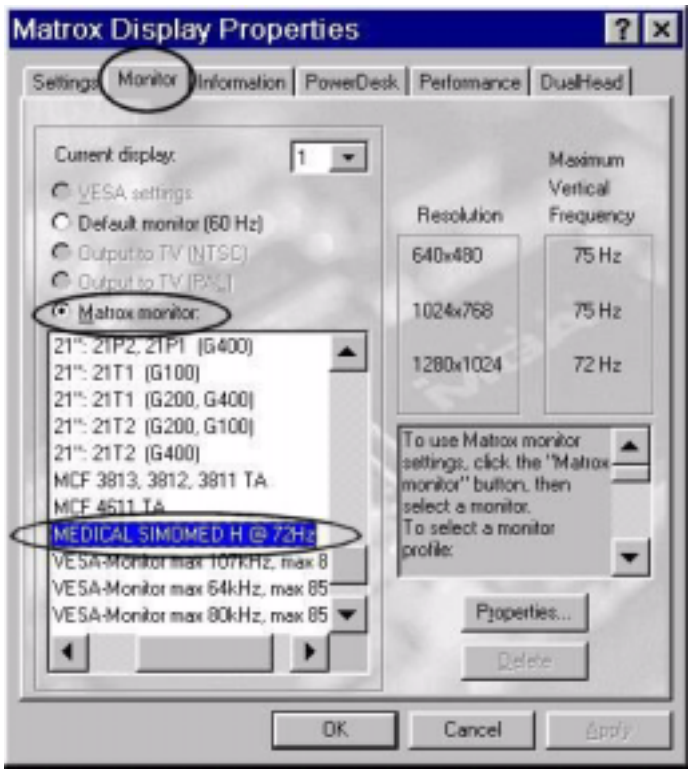
- Select "Utilities".



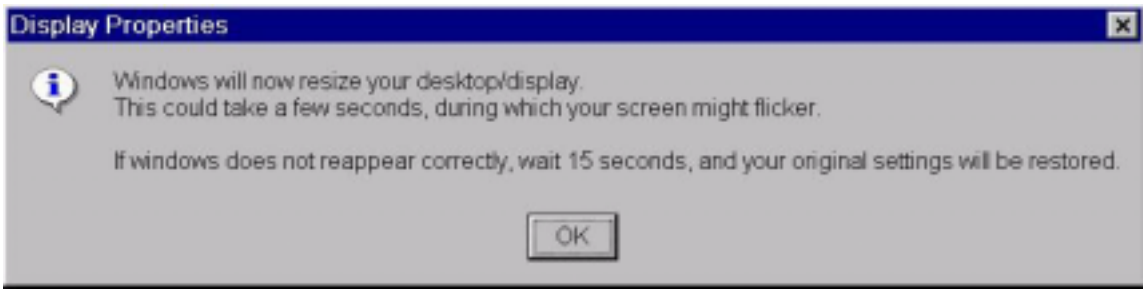
- Under "Source," select the item "Unlock system key".
- Select "OK".
- Press the "CTRL-key" + "ESC"-key".
- Click on "Enter".

  ➪ The windows "Start" button will appear.
- Select "Start".
- Select "Programs".
- Select "Matrox Power Desk NT".

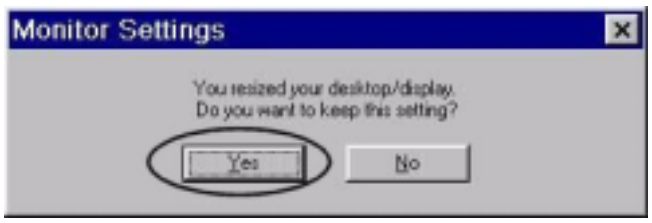
- Select "Matrox Display Properties".
  is he not displayed in front, move the displayed window in front of the site



- Select the "Monitor" button.
- Select "Matrox Monitor".
- In the selection window, select "Siemens" by double-clicking.
- Select the "Medical Simomed H @ 72 Hz" monitor.
- Select "Apply".

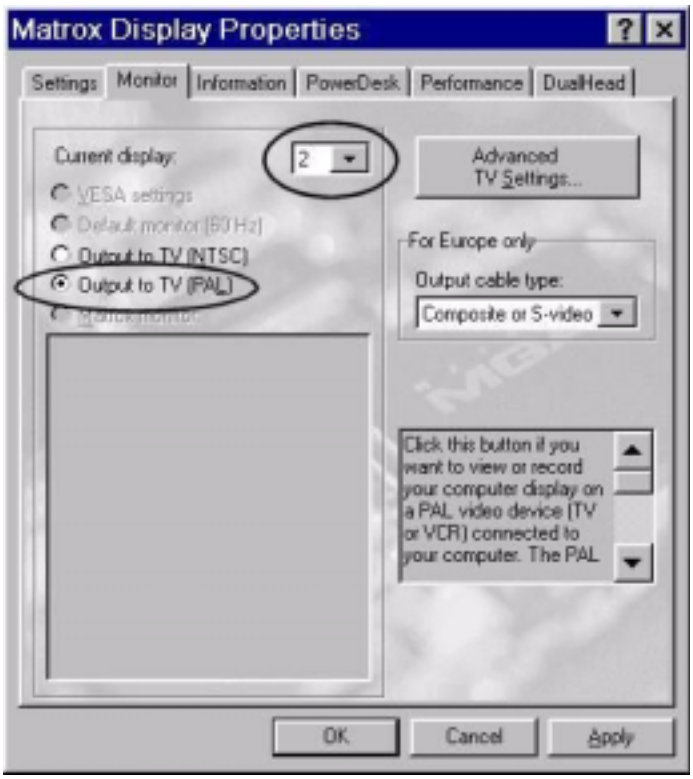

Display Properties
Windows will now resize your desktop/display.
This could take a few seconds, during which your screen might flicker.
If windows does not reappear correctly, wait 15 seconds, and your original settings will be restored.
OK

- Confirm by clicking on "OK".

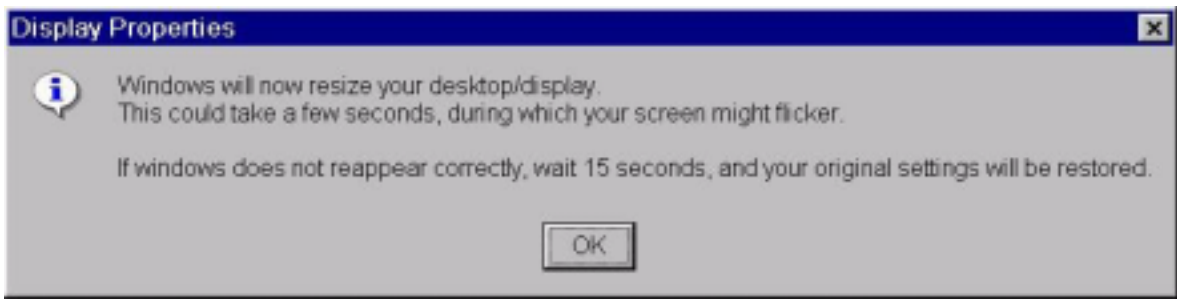


- Confirm the message by selecting "YES".

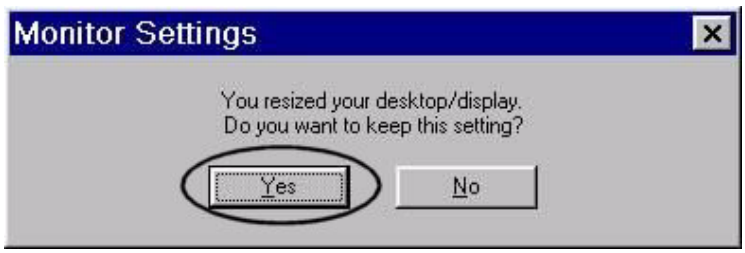
  ➪ The monitor resolution has been changed over.



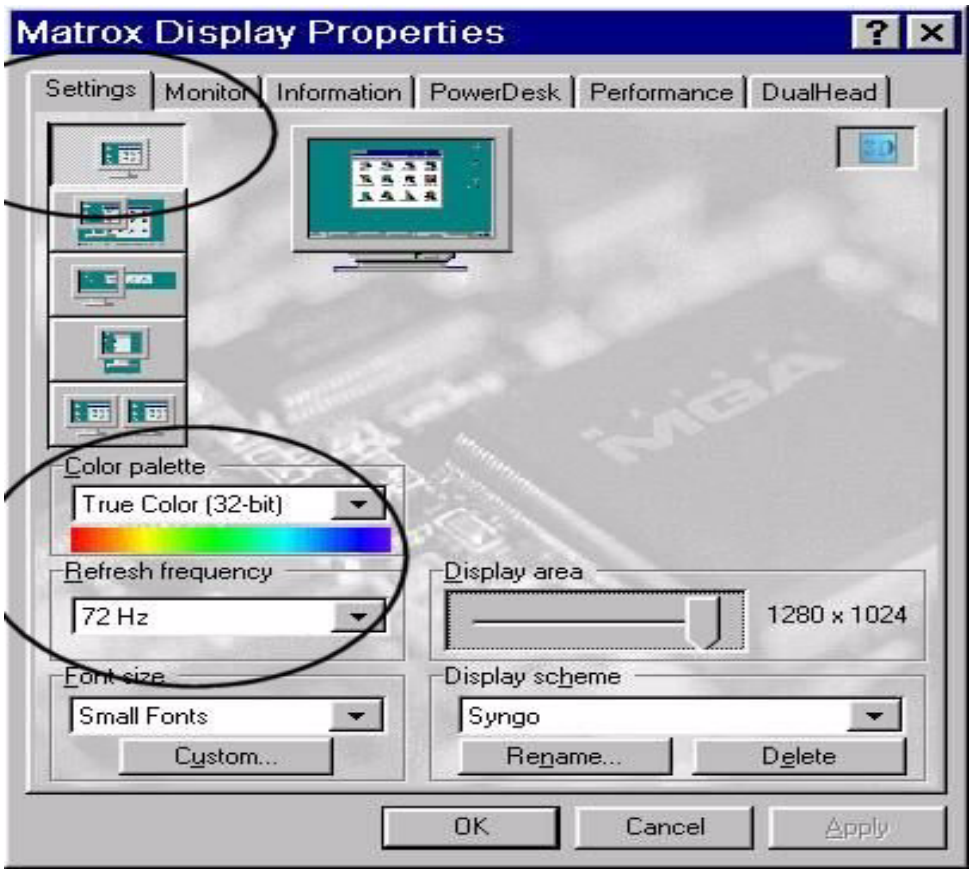
- Under "Current display," select 2.
- Select "Output to TV (PAL)".
- Confirm by clicking on "Apply".


Display Properties
Windows will now resize your desktop/display.
This could take a few seconds, during which your screen might flicker.
If windows does not reappear correctly, wait 15 seconds, and your original settings will be restored.
OK

- Confirm by clicking on "OK".



- Confirm by clicking on "Yes".



- Select "Settings".
- Select "True Color (32-bit)".
- Select "72 Hz" refresh frequency.
- Confirm by clicking on "OK", even if the other settings are correct.
- Select "Start".
- Select "Shutdown".
- Select "OK" for shutdown
- until the "restart" prompt appears.
- Shut down the SIREMOBIL Iso C 3D.
- Wait until the SIREMOBIL Iso C 3D has shut down completely.
- Connect the MEMOSKOP power plug.

- Connect the SCSI plug to the MEMOSKOP.
- Remove the diskette.
- Switch on the SIREMOBIL Iso-C 3D.

  ➪ The system starts. Syngo starts on the right monitor.
- Wait until the Syngo task card is displayed.
- Switch off the SIREMOBIL Iso-C 3D.
- Press the video switch 1 button (to the left as viewed from the back of the monitor), the button is now depressed and hit up.
- Switch on the SIREMOBIL Iso-C 3D.

  ➪ The MEMOSKOP image will appear on the right monitor.

Control software

- Switch on the Siremobil Iso-C.
- Select "Option".
- Select "Local Service".
- Enter password.
- Select the "Upgrade Ctr.SW" button.
- Insert the CD " Control Software VA 00C".
- Select "CD:"
- Click on the "Go" button.

After the message "download successful" has appeared,

- remove the CD.

The Reconstruction PC will shut down automatically.

- Switch off the Siremobil Iso-C 3D.
- Restart the Siremobil Iso-C 3D.

General Remarks

NOTE	**Perform the manual settings ONLY if correct preinstallation version at the factory is indicated. Please check the label on the package box to make sure it is the same software version as your software package.**

NOTE	**The changes become effective only after a reboot is performed!**

Manual Settings

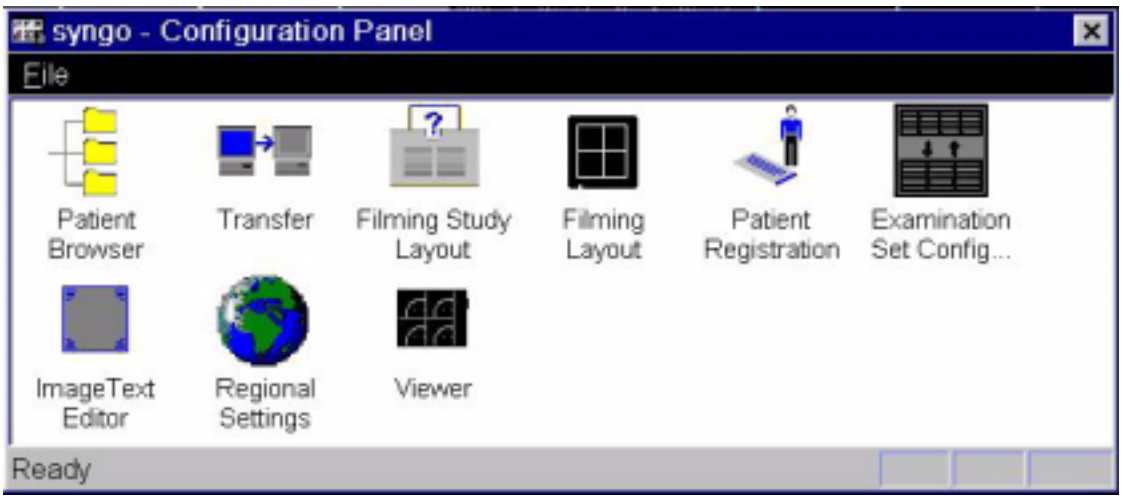
- Switch on the PC.
- The following settings should be performed manually.

Desired User Interface Language (not necessary for English)

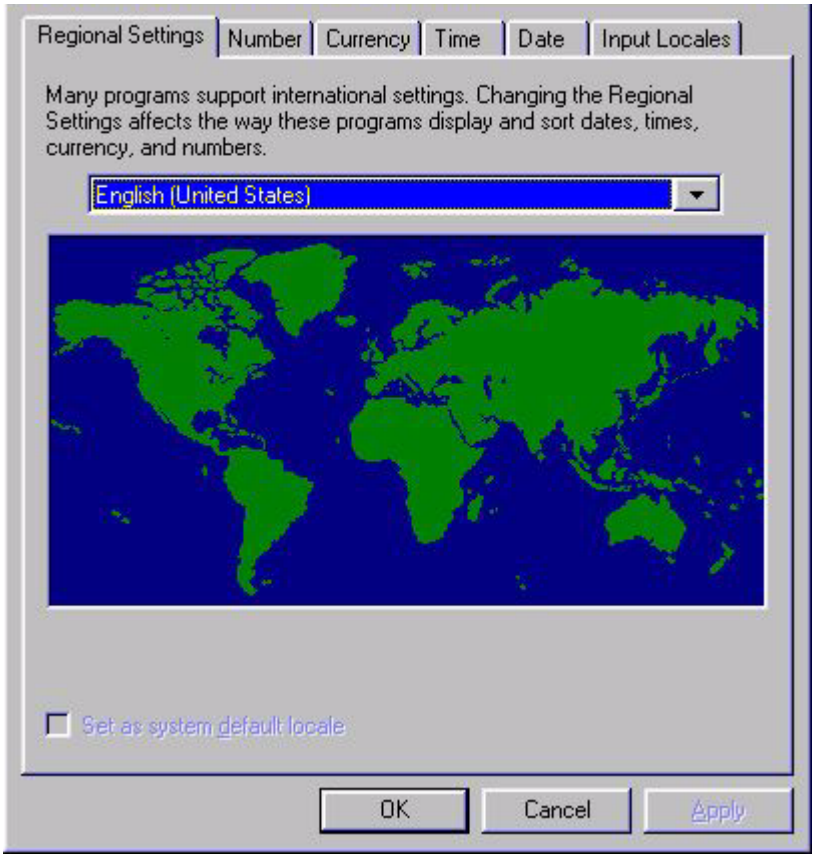
A selection can be made between English, German, Spanish and French

- From the Viewer Interface select **"<Options> <Configuration...>".**

The following window appears:



- Double-click on **"Regional Settings".**

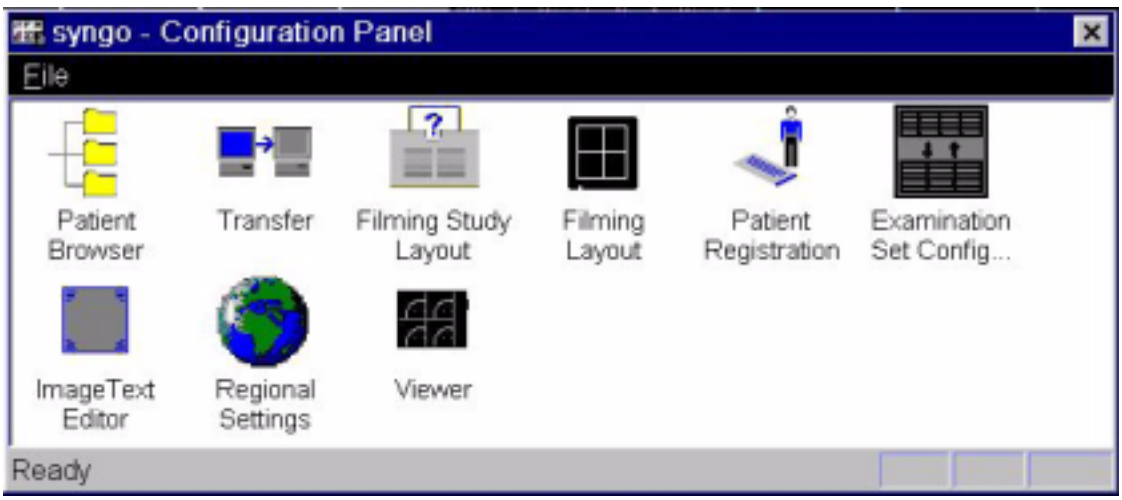


- Select the desired language here and confirm with "OK".
- Confirm the prompt for a restart with "OK" to accept the settings.

Country-specific Keyboard Layout (necessary for non US-Keyboard)

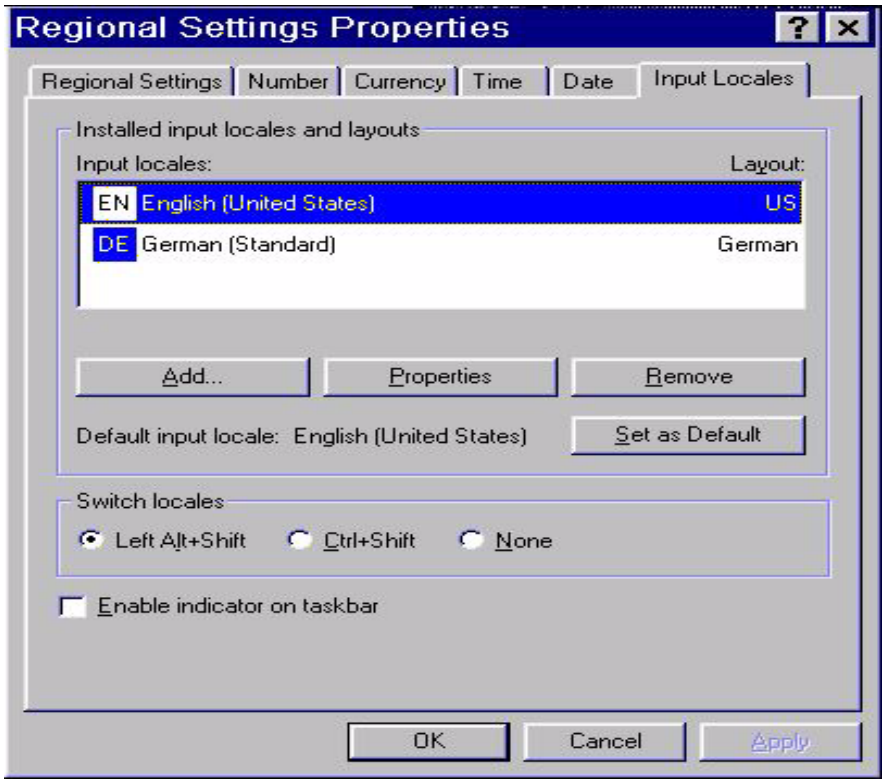
It is possible to choose between an English, German and French keyboard layout.

The following window appears:

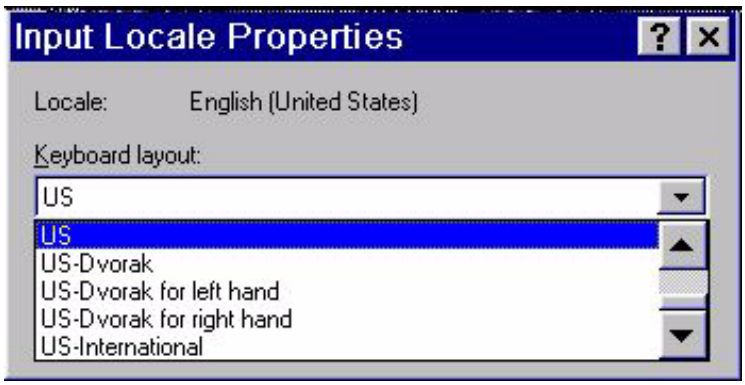


- Double-click on **"Regional Settings".**

- Select **"Input Locales".**



- Double-click on one selection.



- Select the layout that corresponds to the keyboard that has been shipped in **"Keyboard layout"**.
- Click on "OK".
- Click on "OK".

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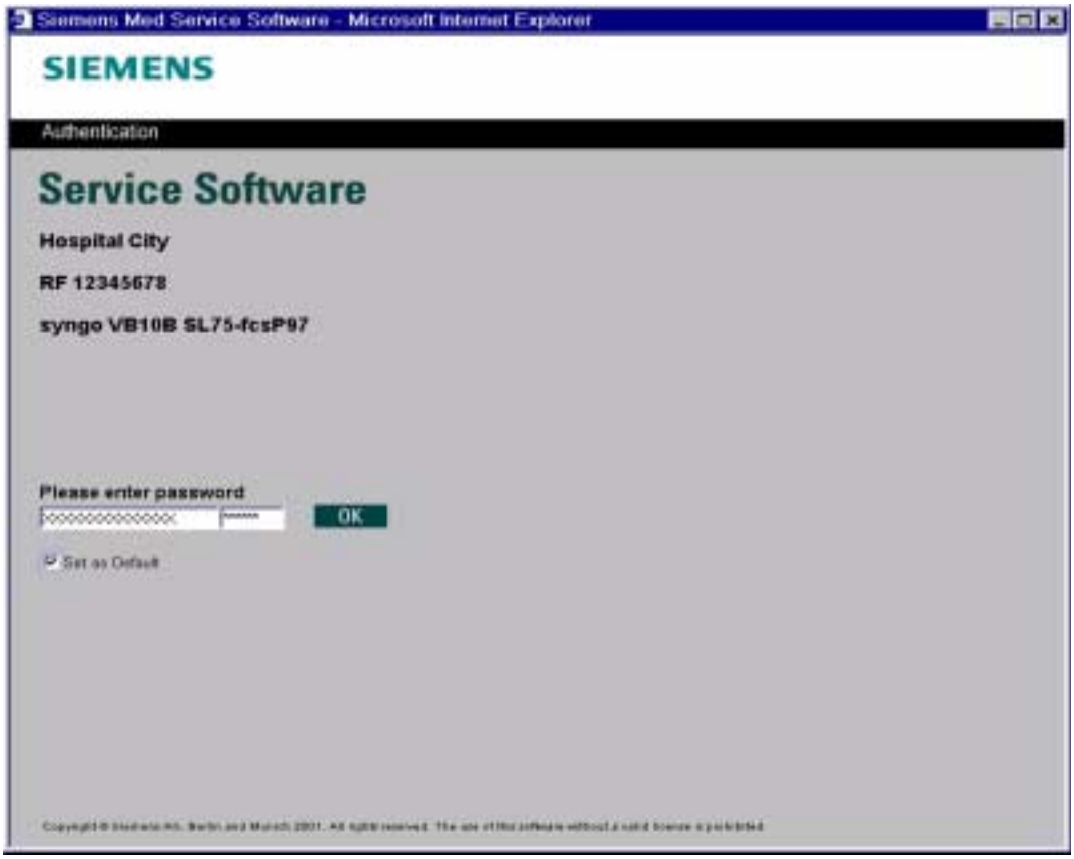
Backup

General Remarks

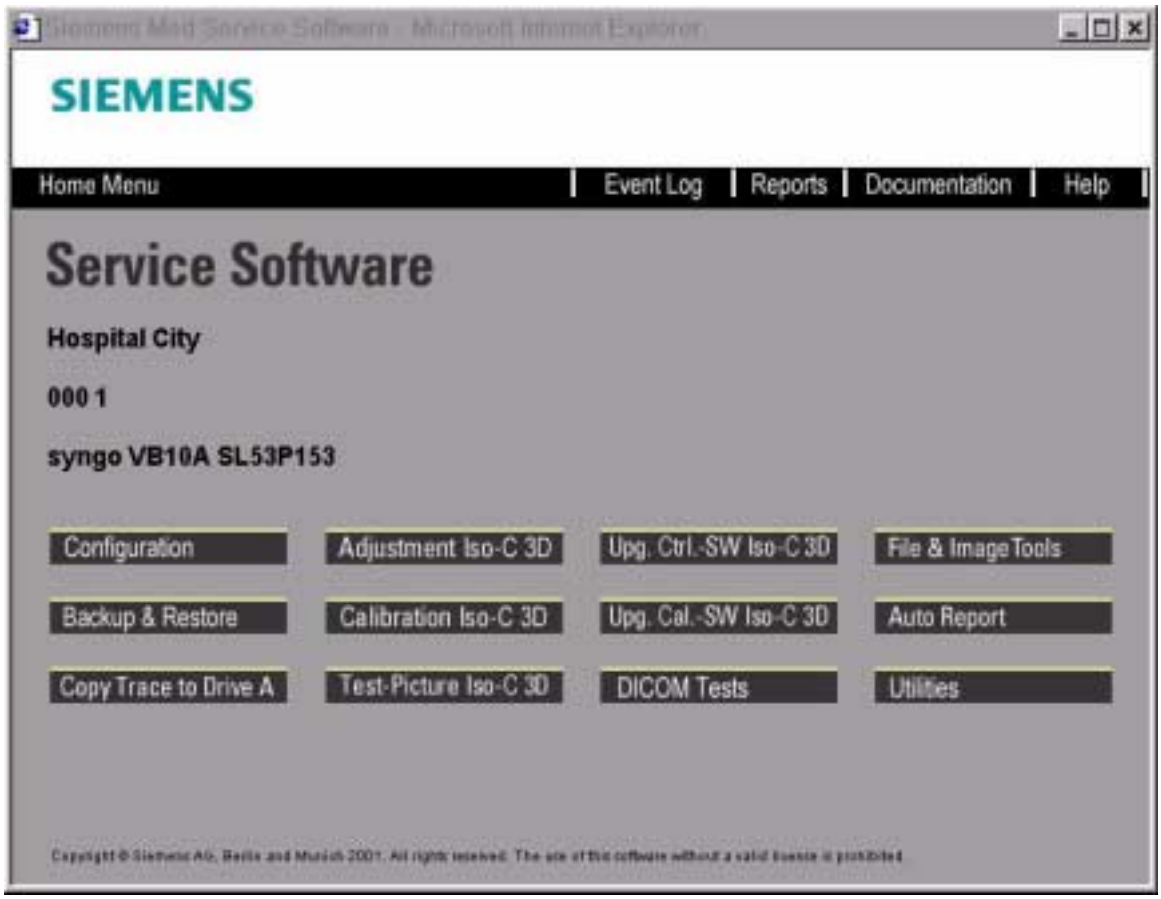
➪ A backup from is always necessary after software updates or system adjustment steps.

- From the Syngo User Interface, please select “**Options>>Local Service**” in the window menu header.



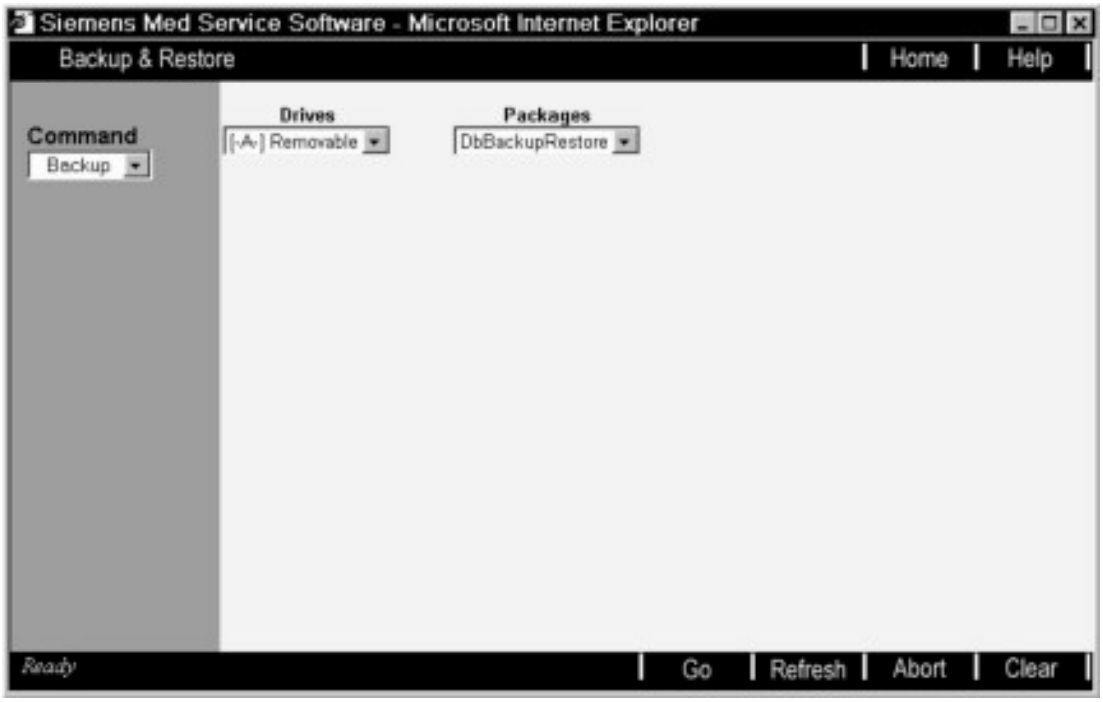
- Enter the service key (6 characters in 2nd mask).
- Confirm with <OK>.

➪ The Service Home menu appears.



- Select **“Backup & Restore”.**
- Insert the BACKUP disk into drive a:\.

➪ The following window appears.



- In the “Command” selection menu, select “Backup”.
- For “Drives”, select the particular storage medium. As a standard, save to a diskette (-A-).
- The corresponding package is selected in “Packages” and saved with “Go”.
- Select the Package "SW Settings02" and save with "GO".

  ➪ Wait until "Ready" message appears in the footer.

NOTE	**If subsequent changes, e.g. in the configuration, need to be made, the corresponding backup package must be saved again.**

- Exit the window with “Home”.
- Remove the backup diskette from drive a:

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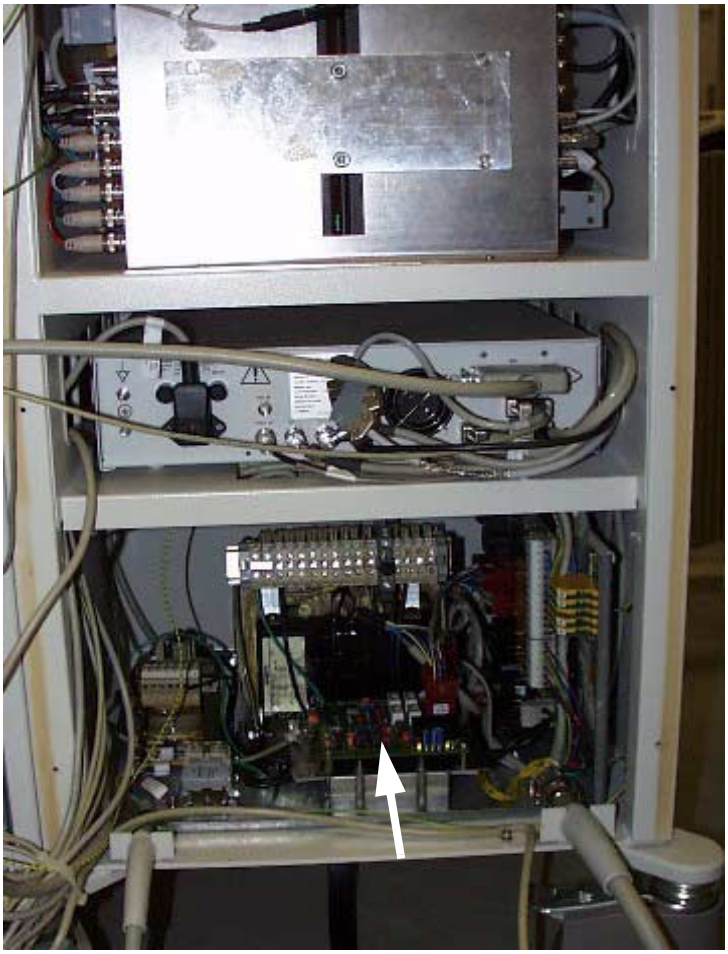
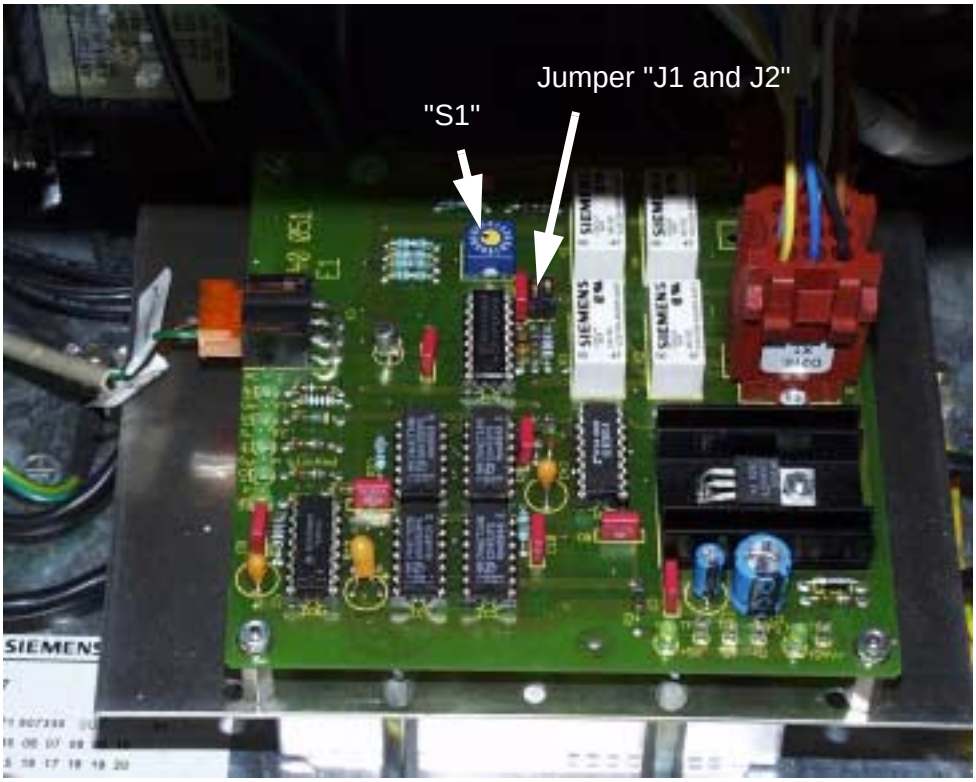


➪ You will find the board (D210) for the shutdown delay in the monitor cart (see arrow).

- Remove the rear panel from the monitor cart for this purpose.



- Set "S1" to "D".
- Plug in "Jumper J1".
- Check that "Jumper J2" is plugged in, if not plug this in.
- The version of D210 has to be changed to "AS 01", marking with a cross.

Replacing the drawer catches

- Open the drawer.

- Lock the drawer in this position.

View of the catches.

- Remove the two plastic catches.

- Screw on the 2 new aluminum catches.
- Push the drawer fully into the monitor cart.

- Check that the front is parallel, if this is in order then no further work on the drawer is required.

- The the parallelism of the front of the drawer has to be adjusted, loosen the two screws.
- Align the front of the drawer parallel and tighten the two screws again.

Terminating resistor

This section concerns only systems equipped with a navigation system.

If no navigation system is installed, then the terminating resistor is not required.

This terminating resistor is required for all systems equipped with a navigation system, e.g. from Medvision.

If the navigation system is not connected, then the terminating resistor must be unplugged.

This information is enclosed as single page with the update kit as supplement to the operating instructions. Please insert this page in the operating instructions and draw the customer’s attention to this information.

- Remove the existing cover screws.
- Fasten the terminating resistor as shown in the picture with the M4x8 screw.

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- Performance of a final check. Check of the overall function of the system.
- Perform the Image Quality Quick Test (refer to the SIREMOBIL log book).
- Perform the protective conductor test in accordance with ARTD - 002.731.17.
  The protective conductor resistance must be <= 0.2 Ohms.
- File the update instructions in the system binder or the system log book.
- Fill out, and if needed, copy the attached "Update Completion Form" and insert it into Register 10 of the System Binder or System Logbook.

Customer Information

The operating instructions must be supplemented by the enclosed document.

If the customer has a navigation system, then he/she must be informed about this addendum to the operating instructions.

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Completion Protocol

The update with the number **SP001/02/P** has been completed.

Part Number: ..... Model No: .....

Serial Number: ..... SKZ: .....

Customer: ..... Site: .....

Customer No.: .....

Name (CSE): ..... Telephone: .....

Country: ..... Location: .....

Date: ..... Signature: .....

Remark: .....

.....

NOTICE

After completing the update, make a copy of this page, fill it out and file it in Register 10 of the System Manual at the corresponding site.

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